Genetics and Molecular Biology of Industrial Microorganisms

Editors: **Charles L. Hershberger** and **Stephen W. Queener,** *Eli Lilly & Co., Indianapolis, Indiana,* and **George Hegeman,** *Indiana University, Bloomington*

This far-reaching volume has been produced in recognition of recent advances in our understanding of bacterial and nonbacterial microbial systems in industry, including a great deal of new interest in products of eucaryotic microorganisms, and of the true industrial status of recombinant organisms. It brings together the work of leading researchers moving to maximize the industrial potential of recombinant DNA technology. The contents, summarized below, are based on the Fourth ASM Conference on the Genetics and Molecular Biology of Industrial Microorganisms (popularly known as the "Bloomington Conference"), held in 1988.

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Edited by **Issar Smith**, *Public Health Research Institute, New York, N.Y.*,
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The process of differentiation, by which a cell of one type gives rise to cells with a different morphology, physiology, and function, raises some of the most important questions in modern biology. This book presents an up-to-date review of current research on differentiation in procaryotes, especially in *Bacillus* and *Streptomyces* species, of which sporulation is the best studied example of this process. Other phenomena, i.e., the production of extracellular enzymes, antibiotics, and other secondary metabolites such as anti-insect spore crystals, all of which are of commercial importance, are reviewed. Thus, a nearly comprehensive picture of this spore field is given. Authors with specific expertise in the areas covered were chosen so that the emphasis would be on aspects not yet covered in detail or about which another viewpoint might be useful.

Microbiologists, biotechnologists, scientists in the food and pharmaceutical industries, molecular biologists, and workers interested in cellular differentiation will greatly benefit from this book, arising from the Tenth International Spores Conference, March 1988.

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PHYSICAL AND GENETIC MAP OF *ESCHERICHIA COLI*

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ESCHERICHIA COLI LINKAGE MAP

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The 1990 *E. coli* linkage map, edition 8, is 2 years out of date at the time of publication. One of the major problems in revising the map is that of obtaining copies of all the papers containing mapping data. While edition 8 was being prepared, the Yale University science libraries cancelled their subscriptions to many journals, and they cannot afford to subscribe to many new ones. It would be immensely helpful if authors of papers containing mapping data of any sort would send to me reprints of their papers from all journals other than the *Journal of Bacteriology*. This might permit publication of map revisions in a more timely fashion.

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